PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:
Val C. Sheffield et al.

Serial No.: 09/612,809

Filed: July 10, 2000

For: THERAPEUTICS AND DIAGNOSTICS BASED ON THE FKHL7 GENE AND ENCODED TRANSCRIPTION FACTOR

Group Art Unit: 1636

Examiner: Gerald G. Leffers, Jr.

Atty. Dkt. No.: IOWA:042USD1

CERTIFICATE OF MAILING
37 C.F.R 1.8

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August 25, 2003
Date

Steve L. Highlander

INFORMATION DISCLOSURE STATEMENT

MS DD
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56, it is respectfully requested that this Information Disclosure Statement be entered and the documents listed on attached Form PTO-1449 be considered by the Examiner and made of record.

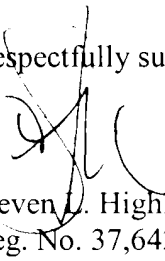
In accordance with 37 C.F.R §§ 1.97(g), (h), this Information Disclosure Statement is not to be construed as a representation that a search has been made, and is not to be construed to be an admission that the information cited is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

This application is a divisional application of Serial No. 09/083,351, filed May 22, 1998, and is relied upon for an earlier filing date under 35 U.S.C. § 120. In accordance with Rule 37 C.F.R. § 1.98(d) copies of the listed documents are not enclosed as they have been previously cited by or submitted to the Patent and Trademark Office in prior application Serial No. 09/083,351.

A fee as set forth in 37 C.F.R. § 1.17(p) in the amount of $180.00 is enclosed herewith. If an appropriate check has not been enclosed, or if it is insufficient, the Commissioner is authorized to deduct the appropriate fee from Fulbright & Jaworski Account No.: 50-1212/IOWA:042USD1.

Applicants respectfully request that the listed documents be made of record in the present case.

Respectfully submitted,



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Date: August 25, 2003

Form PTO-1449 (modified)	Atty. Docket No. IOWA:042USD1	Serial No. 09/612,809
List of Patents and Publications for Applicant's INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	Applicant Val C. Sheffield	
	Filing Date: July 10, 2000	Group: 1636

U.S. Patent Documents	Foreign Patent Documents	Other Art
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U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name		Sub Class	Filing Date of App.
	A1						

Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
	B1	WO 99/16899	4-8-99	PCT			
	B2	WO 99/54493	10-28-99	PCT			

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

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	C1	Akarsu et al., "A second locust (GLC3B) for primary confenital glaucoma (Buphthalmos) maps to the 1p36 region," *Hum. Mol. Genet.*, 5:1199-1203, 1996.
	C2	Alward et al., "Autosomal dominant iris hypoplasia is caused by a mutation in the rieger-syndrome (Rieg/Pitx2) gene," *Am. J. Opthalmol.*, 125:98-100, 1998.
	C3	Attree et al., "The lowe's oculocerebrorenal syndrome gene encodes a protein highly homologous to inositol polyphosphate-5-phosphatase," *Nature*, 358-239-242, 1992.
	C4	Bonin et al., "The MUR1 gene og arabidopsis thaliana encodes an isoform of GDP-D-mannose-4, 6-dehydratase, catalyzing the first step in the de novo synthesis of GDP-L-fucose," *Proc. Natl. Acad. Sci. USA*, 64:2085-2090, 1997.
	C5	Clark et al., "Co-crystal structure of the HNF-3/fork head DNA-recognition motif resembles histone H5," *Nature*, 364:412-420, 1993.
	C6	Dorin et al., "Gene targeting for somatic cell manipulation: Rapid analysis of reduced chromosome hybrids by Alu-PCR fingerprinting and chromosome painting," *Hum. Mol. Genet.*, 1:53-59, 1992.
	C7	Fantes et al., "Aniridia-associated cytogenetic rearrangements that a position effect may cause the mutant phenotype," *Hum. Mol. Genet.*, 4:415-422, 1995.

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EXAMINER:	DATE CONSIDERED:

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

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	C8	Galili et al., "Fusion of a fork head domain gene to PAX3 in the solid tumour alveolar rhabdomyosarcoma," *Nat. Genet.*, 5:230-235, 1993.
	C9	Glaser et al., "Genomic structure, evolutionary conservation and aniridia mutations in the human PAX6 gene," *Nat. Genet.*, 2:232-239, 1992.
	C10	Gould et al., "Autosomal dominant Axenfeld-Rieger anomaly maps to 6p25 [letter]," *Am. J. Hum. Genet.*, 61:765-768, 1997.
	C11	Graff et al., "Fine mapping of the gene for autosomal dominant juvenile-onset glaucoma with iridogoniodysgenesis in 6p25-Tel," *Hum. Genet.*, 101:130-134, 1997.
	C12	Jordan et al., "Familial glaucoma iridogoniodysplasia maps to a 6p25 region implicated in primary congenital glaucoma and iridogoniodysgenesis anomaly," *Am. J. hum. Genet.*, 61:882-888, 1997.
	C13	Jordan et al., "The human PAX6 gene is mutated in two patients with aniridia," *Nat. Genet.*, 1:328-332, 1992.
	C14	Larsson et al., "Chromosomal localization of six human forkhead genes, freac-1 (FKHL5), -3 (FKHL7), -4(FKHL8), -5(FKHL), -6(FKHL10), and -8(FKH12)," *Genomics*, 30:464-469, 1995.
	C15	Li et al., "Analysis of 43kb of the chlorella virus PBV-1 330-kb genome: Map positions 45 to 88, " *Virology*, 212:134-150, 1995.
	C16	Lida et al., "Essential roles of the winged helix transcription factor MFH-1 in aortic arch patterning and skeletogenesis," *Development*, 124:4267-4638, 1997.
	C17	Mears et al., "Autosomal dominant iridogoniodysgenesis anomaly maps to 6p25," *Am. J. Hum. Genet.*, 59:1321-1327, 1996.
	C18	Mears et al., "Mutations of the forkhead/winged-helix gene, FKHL7, in patients with Axenfeld-Rieger anomaly," *Am. J. Hum. Genet.*, 63:1316-1328, 1998.
	C19	Meyer et al., "Mechanism of extracellular secretion of an IgA protease by gram-negative host cells," *Adv. Exp. Med. Biol.*, 216B:1271-1281, 1987.
	C20	Murray et al., "A comprehensive human linkage map with centimorgan density," *Cooperative Human Linkage Center (CHLC) Science*, 265:2049-2054, 1994.

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	C21	Nishimura et al., "The forkhead transcription factor gene FKHL7 is responsible for glaucoma phenotypes which map to 6p25," *Nat. Genet.*, 19:140-147, 1998.
	C22	Phillips et al., "A second locus for Rieger syndrome maps to chromosome 13q14," *Am. J. Hum. Genet.*, 59:613-619, 1996.
	C23	Pierrou et al., "Cloning and characterization of seven human forkhead proteins: Binding site specificity and DNA bending," *EMBO Journal*, 13:5002-5012, 1994.
	C24	Semina et al., "Cloning and characterization of a novel bicoid-related homebox transcription factor gene, RIEG, involved in Rieger syndrome," *Nat. Genet.*, 14:392-399, 1996.
	C25	Stevenson et al., "Organization of the escherichia coli K-12 gene cluster responsible for production of the extracellular polysaccharide colanic acid," *J. Bacteriol*, 178:4885-4893, 1996.
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	C27	Stoilova et al., "Localization of a locus (GLCIB) for adult-onset primary open angle glaucoma to the 2cen-q13 region," *Genomics*, 36:142-150, 1996.
	C28	Stone et al., "Identification of a gene that causes primary open angle glaucoma," *Science*, 275:668-670, 1997.
	C29	Vitovski et al., "Invasive isolates of neisseria meningitidis posses enhanced immunoglobin A1 protease activity compared to colonizing strains," *FASEB J.*, 13:331-337, 1999.
	C30	Wallace et al., "Molecular genetics of glaucoma: Current Status," *J. Glaucoma*, 5:276-284, 1996.
	C31	Wirtz et al., "Mapping a gene for adult-onset primary open-angle glaucoma to chromosome 3q," *Am. J. Hum.Genet.*, 60:296-304, 1997.
	C32	Ying Xu et al., "Recognizing exons in genomic sequence using grail II," *Gen. Engin*, 16:241-253, 1994.
	C33	International Search Report dated December 3, 1999 for PCT US98/08148 filed April 14, 1999.
	C34	International search Report dated March 31, 2000, for PCT US99/08159 fild April 14, 1999.

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	C35	Database EMBLhum#: SEQ ID:HSMFH1 AC:Y08223 H. sapiens, MFH-1 gene., pg. XP0022122926, 1997.
	C36	Database EMBLest20, SEQ ID:HS1223780 AN:AA42466 H. sapiens cDNA clone 767110 3, pg. XP0022122927, 1997.
	C37	Database Emest3 SEQ ID HSMFH1, Acc. No. Y08223, H. sapiens MFH-1 gene., 1, cited in the application Miura et al., "Isolation of the mouse (MFH-1) and human (FKHL 14) mesenchyme fork head-1 genes rveals conservation of their gene and protein structures," Genomics, 41:489-492, XP002133351, 1997.

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